HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP0103A

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 - 006
Sheet No.: 1 of 1
Start: March 27, 2006
Finish: March 27, 2006
Driller: Fernando
H&A Rep.: K. Hoggan
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: GeoProbe
Inside Diameter (in.)		1 3/4		Bit Type: Cutting Head
Hammer Weight (lb.)		Push	-	Drill Mud: None
Hammer Fall (in.)			-	Casing: MacroCore
				Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0			0.0 - 0.5	NO WELL INSTALLED		SP	Medium dense, brown, SAND with silt (SP), fine grained, moist, cohesive, no stain, no odor.					90	10				
			0.5 - 1.0		0.6												
1	8.1					SM	Medium dense, brown to dark brown, silty SAND (SM), moist, no stain, no odor.					70	30				
			1.5 - 2.0														
2																	
			2.5 - 3.0														
3						CL	Medium stiff, brown, silty CLAY (CL), moist, no stain, no odor.										
4					4.0		Bottom of exploration at 4 feet.										
							Groundwater not encountered. Borehole backfilled with hydrated bentonite upon completion.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.)
Rock Cored (lin. ft.)
Samples

Boring No. DP0103A

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY & ALDRICH — TEST BORING REPORT

Boring No. DP0103B

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 - 006
Sheet No.: 1 of 1
Start: March 27, 2006
Finish: March 27, 2006
Driller: Fernando
H&A Rep.: K. Hoggan
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: GeoProbe
Inside Diameter (in.)		1 3/4		Bit Type: Cutting Head
Hammer Weight (lb.)		Push	-	Drill Mud: None
Hammer Fall (in.)			-	Casing: MacroCore
				Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0			0.0 - 0.5	NO WELL INSTALLED		SP	Loose, brown, poorly graded SAND (SP), fine to medium grained, moist, no stain, no odor.				15	60	25				
			0.5 - 1.0														
1	5.6				1.1												
			1.5 - 2.0			SM	Medium dense, brown, silty SAND (SM), fine to medium grained, moist, cohesive, no stain, no odor.				10	60	30				
2					1.9	ML	Soft, brown, SILT (ML), nonplastic, moist, cohesive, no stain, no odor.					5	95			N	
			2.5 - 3.0		2.6												
3						ML	Dark brown to brown, clayey SILT, low plasticity, moist, cohesive, no stain, no odor.					5	95			L	
4					4.0		Bottom of exploration at 4 feet.										
							Borehole backfilled with hydrated bentonite upon completion.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.)
Rock Cored (lin. ft.)
Samples

Boring No. DP0103B

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP0103C

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 - 006
Sheet No.: 1 of 1
Start: March 27, 2006
Finish: March 27, 2006
Driller: Fernando
H&A Rep.: K. Hoggan
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: GeoProbe
Inside Diameter (in.)		1 3/4		Bit Type: Cutting Head
Hammer Weight (lb.)		Push	-	Drill Mud: None
Hammer Fall (in.)			-	Casing: MacroCore
				Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0			0.0 - 0.5	NO WELL INSTALLED		SP	Loose, brown, SAND with gravel (SP), mps: 1 inch, moist, no stain, no odor.		10		15	75					
			0.5 - 1.0		0.6												
1	5.3					ML	Soft, brown, SILT (ML), moist, cohesive, no stain, no odor.					5	95				
			1.5 - 2.0														
2																	
			2.5 - 3.0		2.6												
3						ML	Soft, brown, clayey SILT (ML), nonplastic, moist, no stain, no odor.									N	
4					4.0		Bottom of exploration at 4 feet.										
							Borehole backfilled with hydrated bentonite upon completion.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.)
Rock Cored (lin. ft.)
Samples

Boring No. DP0103C

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP0154

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 - 006
Sheet No.: 1 of 1
Start: March 30, 2006
Finish: March 30, 2006
Driller: Fernando
H&A Rep.: K. Hoggan,G. Andro
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: GeoProbe
Inside Diameter (in.)		1 3/4		Bit Type: Cutting Head
Hammer Weight (lb.)		Push	-	Drill Mud: None
Hammer Fall (in.)			-	Casing: MacroCore
				Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				NO WELL INSTALLED			Concrete 1 foot thick										
1		000	1.0 - 1.2		1.0	SM	Medium dense, brown, silty SAND (SM), fine to medium grained, cohesive, moist, no stain, no odor.										
2		001	1.5 - 1.7														
3		003	3.0 - 3.2		3.3	SW	Medium dense, brown, SAND (SW), fine to medium grained, moist, no stain, no odor.										
4					3.8	ML	Soft to medium stiff, dark brown, sandy SILT (ML), low plasticity, moist, no stain, no odor.									L	
5		005	5.0 - 5.2		5.0	SP	Medium dense, brown, SAND (SP), fine to medium grained, moist, no stain, no odor.										
6																	
7																	
8		008	7.5 - 7.7		8.0		Bottom of exploration at 8 feet.										
							Groundwater not encountered. Borehole backfilled with hydrated bentonite upon completion.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.)
Rock Cored (lin. ft.)
Samples

Boring No. DP0154

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH — TEST BORING REPORT

Boring No. DP0155

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 - 006
Sheet No.: 1 of 1
Start: March 28, 2006
Finish: March 28, 2006
Driller: Fernando
H&A Rep.: K. Hoggan
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: GeoProbe
Inside Diameter (in.)		1 3/4		Bit Type: Cutting Head
Hammer Weight (lb.)		Push	-	Drill Mud: None
Hammer Fall (in.)			-	Casing: MacroCore
				Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				NO WELL INSTALLED			Concrete 1.5 feet thick.										
1					1.5	SM	Medium dense, brown, silty SAND (SM), fine to medium grained, cohesive, moist, no stain, no odor.					70	30		L		
2		000	1.6 - 1.8														
		001	1.8 - 2.0														
3																	
4		003	4.0 - 4.2			SC	Dark brown, clayey SAND (SC), fine to medium grained, nonplastic to low plasticity, cohesive, moist, no stain, no odor.					60	40			N-L	
					4.6	CL	Medium stiff, dark brown, silty CLAY (CL), medium plasticity, moist, no stain, no odor.					5	95			M	
5		005	4.8 - 5.0														
6					6.0	SM	Medium dense, brown, silty SAND (SM), fine grained, cohesive, moist, no stain, no odor.					70	30				
7																	
8		008	7.8 - 8.0		8.0		Bottom of exploration at 8 feet.										
							Groundwater not encountered. Borehole backfilled with hydrated bentonite upon completion.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.)
Rock Cored (lin. ft.)
Samples

Boring No. DP0155

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP0160

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 - 006
Sheet No.: 1 of 3
Start: March 27, 2006
Finish: March 27, 2006
Driller: Fernando
H&A Rep.: K. Hoggan
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: GeoProbe
Inside Diameter (in.)		1 3/4		Bit Type: Cutting Head
Hammer Weight (lb.)		Push	-	Drill Mud: None
Hammer Fall (in.)			-	Casing: MacroCore
				Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				NO WELL INSTALLED			Concrete 1.5 feet thick.										
1																	
2	0.3	002	1.5 - 2.0		1.5	SM	Soft, gray-brown, silty SAND (SM), fine to medium grained, moist, no odor, no stain.										
3						CL	Soft, gray-brown, silty CLAY (CL), low plasticity, moist, no odor, no stain.									L	
4																	
5						SP	Soft, light brown, SAND (SP), moist, no odor, no stain.										
6																	
7	0.4	007	6.5 - 7.0			CL	Dense, gray-brown, CLAY (CL), medium plasticity, moist, no odor, no stain.									M	
8																	
9																	
10																	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.)
Rock Cored (lin. ft.)
Samples

Boring No. DP0160

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP0160
File No. 32486
Sheet No. 2 of 3

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
10						SP	Soft, medium brown, SAND (SP), fine to medium grained, wet, no odor, no stain.										
11																	
	0.6																
12																	
13						SW	Soft, gray-brown, well graded SAND (SW), medium grained, moist.										
14																	
15						SW	Medium dense, dark brown, well graded SAND (SW), very fine to coarse grained, moist.										
16																	
17																	
18	ND					SW	Same as above, except gray-brown.										
19						SW	Same as above, except light brown.										
20																	
21						SW	Same as above, except gray-green.										
22																	
23																	
24						CL	Dense, gray-green, sandy CLAY (CL), low plasticity, fine grained, no odor, no stain.									L	
		025	24.5 - 25.0														

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY& ALDRICH

TEST BORING REPORT

Boring No. DP0160
File No. 32486
Sheet No. 3 of 3

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
25					25.0		Bottom of exploration at 25 feet. Borehole backfilled with hydrated bentonite upon completion.										

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP0161

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 - 006
Sheet No.: 1 of 3
Start: April 12, 2006
Finish: April 12, 2006
Driller: E. Vasquez
H&A Rep.: G. Androsko,K. Hog
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	G		Rig Make & Model: GeoProbe
Inside Diameter (in.)	-	1 3/4		Bit Type: Cutting Head
Hammer Weight (lb.)	-	Push	-	Drill Mud: None
Hammer Fall (in.)	-		-	Casing: MacroCore
				Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0							Concrete/base 6 inches thick.										
	8.3	000	0.5 - 1.0		0.5	SM	Soft, black, silty SAND (SM), dry, sweet odor.										
1		001_01	1.0 - 1.5			SM	Soft, dark brown/black, silty SAND (SM), moist, sweet odor.										
	0.7	001_02	1.5 - 2.0														
2																	
3																	
4				NO WELL INSTALLED		ML	Medium stiff, brown, silty SAND (ML), moist, no odor, no stain, trace mica.										
5																	
6	0.9	006	6.0 - 6.5														
						CL	Stiff, brown, lean CLAY (CL), moist, no odor, no stain.										
7																	
8																	
9																	
	0.7																
10																	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.)
Rock Cored (lin. ft.)
Samples

Boring No. DP0161

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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HALEY& ALDRICH

TEST BORING REPORT

Boring No. DP0161
File No. 32486
Sheet No. 2 of 3

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
10							Soft, brown, sandy SILT, moist, no odor.										
11																	
12						SW	Soft, brown, SAND (SW), fine to medium grained, moist, no odor.										
13																	
14																	
15	0.7					SP	Same as above, except fine grained.										
16																	
17						SP	Same as above, except medium to coarse grained.										
18																	
19						SW	Same as above, except fine to coarse grained, damp.										
20						SW	Same as avove, except fine to medium grained, moist.										
21																	
22		022	21.5 - 22.0														
23		023	23.0 - 23.5			CH	Stiff, olive, CLAY (CH), moist, no odor.										
24					24.0		Bottom of exploration at 24 feet.										
							Groundwater not encountered. Borehole backfilled with hydrated bentonite upon completion.										

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP0166

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 - 006
Sheet No.: 1 of 3
Start: April 12, 2006
Finish: April 12, 2006
Driller: E. Vasquez
H&A Rep.: G. Androsko,K. Hog
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	G		Rig Make & Model: GeoProbe
Inside Diameter (in.)	-	1 3/4		Bit Type: Cutting Head
Hammer Weight (lb.)	-	Push	-	Drill Mud: None
Hammer Fall (in.)	-		-	Casing: MacroCore
				Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				NO WELL INSTALLED		SW	Soft, brown, SAND (SW), fine to medium grained, moist, no odor.										
		000	0.5 - 1.0														
1		001	1.0 - 1.5														
2						SW	Same as above, except wet.										
3																	
4	1.0					CL	Medium stiff, brown, sandy CLAY (CL), very fine grained, moist, no odor.										
5						SW	Soft, brown, SAND (SW), fine to medium grained, moist, no odor.										
6						SP	Same as above, except medium grained.										
7						SW	Same as above, except fine to medium grained.										
8																	
9	1.3	009	8.5 - 9.0			CL	Stiff, brown, CLAY (CL), moist, no odor, light gray and light brown mottling.										
10																	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.)
Rock Cored (lin. ft.)
Samples

Boring No. DP0166

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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HALEY& ALDRICH

TEST BORING REPORT

Boring No. DP0166
File No. 32486
Sheet No. 2 of 3

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
10						SM	Soft, brown, silty SAND (SM), very fine grained, moist, no odor.										
11						SP	Same as above, except fine grained.										
12	1.5																
13						SP	Same as above, except very fine grained.										
14																	
15						SW	Same as above, except very fine to medium grained.										
16																	
	1.0	016	16.5 - 17.0														
17						CL	Soft, dark brown, sandy CLAY (CL), very fine grained, moist, no odor.										
18																	
19	1.5																
						SP	Soft, light brown, SAND (SP), medium grained, dry, no odor.										
20						SW	Soft, brown, SAND (SW), fine to medium grained, moist, no odor.										
21																	
22																	
	0.9	023	22.5 - 23.0			SW	Same as above, except fine grained, wet.										
23						CL	Medium stiff, brown, sandy CLAY (CL), very fine grained, moist, no odor.										
24					24.0		Bottom of exploration at 24 feet.										
							Borehole backfilled with hydrated bentonite upon completion.										

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY & ALDRICH — TEST BORING REPORT

Boring No. DP0167

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 - 006
Sheet No.: 1 of 3
Start: April 12, 2006
Finish: April 12, 2006
Driller: E. Vasquez
H&A Rep.: G. Androsko,K. Hog
Elevation Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	G		Rig Make & Model: GeoProbe
Inside Diameter (in.)	-	1 3/4		Bit Type: Cutting Head
Hammer Weight (lb.)	-	Push	-	Drill Mud: None
Hammer Fall (in.)	-		-	Casing: MacroCore
				Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				NO WELL INSTALLED			Concrete 6 inches thick.										
		000	0.5 - 1.0		0.5												
1						ML	Soft, brown, sandy SILT (ML), fine grained, moist, no odor.										
		001	1.5 - 2.0														
2																	
3						ML	Same as above, except wet.										
	ND																
4																	
5																	
6						SW	Soft, brown, SAND (SW), fine to medium grained, moist, no odor.										
	ND	007	6.5 - 7.0														
7						CL	Medium stiff, brown, lean CLAY (CL), moist, no odor.										
8																	
9																	
	ND																
10																	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.)
Rock Cored (lin. ft.)
Samples

Boring No. DP0167

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP0167
File No. 32486
Sheet No. 2 of 3

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
10						SP	Soft, brown, SAND (SP), fine grained, moist, no odor.										
11																	
						SW	Same as above, except fine to medium grained.										
12																	
13																	
14																	
15	ND	015	15.0 - 15.5			CL	Medium stiff, brown, lean silty CLAY (CL), moist, no odor, no stain.										
16																	
17						SW	Soft, light brown, SAND (SW), medium to coarse grained, moist, no odor.										
18						SW	Same as above, except fine to medium grained.										
19																	
	ND					SP	Same as above, except very fine grained.										
20						SP	Same as above, except fine grained.										
21																	
22																	
	0.2	023	22.5 - 23.0														
23						CH	Stiff, olive, CLAY (CH), moist, no odor, no stain.										
24					24.0		Bottom of exploration at 24 feet.										
							Groundwater not encountered. Borehole backfilled with hydrated bentonite upon completion.										

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY & ALDRICH — TEST BORING REPORT

Boring No. DP0170

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 - 006
Sheet No.: 1 of 3
Start: April 12, 2006
Finish: April 12, 2006
Driller: E. Vasquez
H&A Rep.: G. Androsko,K. Hog
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	G		Rig Make & Model: GeoProbe
Inside Diameter (in.)	-	1 3/4		Bit Type: Cutting Head
Hammer Weight (lb.)	-	Push	-	Drill Mud: None
Hammer Fall (in.)	-		-	Casing: MacroCore
				Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				NO WELL INSTALLED			Concrete 6 inches thick.										
					0.5	ML	Soft, brown, silty SAND (ML), fine grained, moist, no odor.										
1																	
	ND	002	1.5 - 2.0														
2																	
3																	
4																	
5																	
6							Same as above, except medium grained.										
	ND	007	6.5 - 7.0														
7						CL	Stiff, brown, lean CLAY (CL), moist, no odor.										
8																	
9																	
	ND																
10																	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.)
Rock Cored (lin. ft.)
Samples

Boring No. DP0170

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP0170
File No. 32486
Sheet No. 2 of 3

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
10						SP	Soft, brown, SAND (SP), fine grained, moist, no odor.										
11						SP	Same as above, except medium grained.										
12																	
13																	
14							Same as above, except medium to coarse grained.										
15	0.2	015	14.5 - 15.0			CL	Medium stiff, brown, lean CLAY (CL), trace silts, moist, no odor.										
16																	
17						SW	Soft, light brown, SAND (SW), medium to coarse grained, moist, no odor.										
18						SW	Same as above, except brown, fine to medium grained.										
19						SP	Same as above, except brown, very fine grained, dry.										
20						SP	Same as above, except brown, fine grained.										
21																	
22	0.3	022	22.0 - 22.5														
23						CH	Stiff, olive brown, CLAY (CH), moist, no odor.										
24					24.0		Bottom of exploration at 24 feet.										
							Groundwater not encountered. Borehole backfilled with hydrated bentonite upon completion.										

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY & ALDRICH — TEST BORING REPORT

Boring No. DP0171

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 - 006
Sheet No.: 1 of 2
Start: March 31, 2006
Finish: March 31, 2006
Driller: Fernando
H&A Rep.: K. Hoggan,G. Andro
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: GeoProbe
Inside Diameter (in.)		1 3/4		Bit Type: Cutting Head
Hammer Weight (lb.)		Push	-	Drill Mud: None
Hammer Fall (in.)			-	Casing: MacroCore
				Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				NO WELL INSTALLED			Concrete 6 inches thick.										
					0.5		Rubble base.										
1					1.0	SP	Loose, olive-brown, poorly graded SAND (SP), medium grained, wet, no odor.										
		001	1.5 - 2.0														
2																	
3						CL	Loose, olive-brown, sandy CLAY (CL), medium grained, moist, no odor.										
4						SP	Loose, olive-brown, poorly graded SAND (SP), medium to coarse grained, wet, no odor.										
5																	
6	0.3	006	6.0 - 6.5			CL	Soft, olive-brown, lean CLAY (CL), wet, no odor, trace mica.										
7																	
8							Loose, olive-brown, SAND, very fine to fine grained, wet, no odor.										
9						CL	Soft, olive-brown, lean CLAY (CL), moist, trace mica, trace fine sand, no odor.										
10																	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.)
Rock Cored (lin. ft.)
Samples

Boring No. DP0171

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP0171
File No. 32486
Sheet No. 2 of 2

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
10																	
11																	
12						ML	Brown, sandy SILT (ML), fine grained, wet, no odor.										
13																	
14																	
15	0.1	015	15.0 - 15.5			ML	Same as above, except black, musty odor.										
16					16.0		Bottom of exploration at 16 feet. Hole collapsed at 5 feet. Abandoned hole. No soil-gas probe installed. Backfilled with bentonite to 5 feet.										

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY & ALDRICH — TEST BORING REPORT

Boring No. DP0171A

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 - 006
Sheet No.: 1 of 3
Start: April 11, 2006
Finish: April 11, 2006
Driller: Fernando
H&A Rep.: G. Androsko,K. Hog
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	G		Rig Make & Model: GeoProbe
Inside Diameter (in.)	-	1 3/4		Bit Type: Cutting Head
Hammer Weight (lb.)	-	Push	-	Drill Mud: None
Hammer Fall (in.)	-		-	Casing: MacroCore
				Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				NO WELL INSTALLED			See DP0171 Test Boring Report for soil description from 0-16 feet.										
5							Soil gas at 5 feet.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.)
Rock Cored (lin. ft.)
Samples

Boring No. DP0171A

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP0171A
File No. 32486
Sheet No. 2 of 3

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
16					16.0	SP	Medium dense, brown, poorly graded SAND (SP), fine to coarse grained, cohesive, moist to wet, no odor, no stain.										
17					17.0	SM	Medium dense, brown to dark brown, poorly graded silty SAND (SM), fine to medium grained, moist, layering, carbonate nodules.										
18					18.0	SP	Medium dense, black, SAND, fine to medium grained, moist, layering, slight odor.										
					18.5	CL	Medium stiff, brown, CLAY (CL), low to medium plasticity, moist, no odor, no stain.									L-M	
19					19.0	SP	Medium dense, brown, SAND (SP), fine to medium grained, wet, no odor, no stain.										
22					22.0	SM	Medium dense, brown, silty SAND (SM), fine grained, moist to wet, layering, carbonate nodules, fining downward, iron staining.										
24					24.0	SP	Loose, gray brown, SAND (SP), fine to medium grained, wet, no odor, no stain.										

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY& ALDRICH

TEST BORING REPORT

Boring No. DP0171A
File No. 32486
Sheet No. 3 of 3

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
25					25.0		Bottom of exploration at 25 feet.										
							Collapsed at 13 feet. Wet at 13 feet.										
							Borehole backfilled with hydrated bentonite upon completion.										

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY & ALDRICH — TEST BORING REPORT

Boring No. DP0172

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 - 006
Sheet No.: 1 of 3
Start: April 10, 2006
Finish: April 10, 2006
Driller: F. Vasquez
H&A Rep.: G. Androsko,K. Hog
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	G		Rig Make & Model: GeoProbe
Inside Diameter (in.)	-	1 3/4		Bit Type: Cutting Head
Hammer Weight (lb.)	-	Push	-	Drill Mud: None
Hammer Fall (in.)	-		-	Casing: MacroCore
				Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0							Concrete 6 inches thick.										
					0.5												
1						SP	Soft, olive brown, SAND (SP), medium to coarse grained, moist, no stain, no odor.										
2																	
3							Same as above, except dark olive.										
							Same as above, except olive brown.										
4																	
5				NO WELL INSTALLED			Same as above, except brown, coarse grained. Soil gas at 5 feet.										
6																	
7						CL	Medium stiff, olive, CLAY (CL), blocky, light brown lense, moist, no odor, no stain.										
8																	
9							Same as above, except olive brown.										
10																	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.)
Rock Cored (lin. ft.)
Samples

Boring No. DP0172

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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HALEY& ALDRICH

TEST BORING REPORT

Boring No. DP0172
File No. 32486
Sheet No. 2 of 3

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
10																	
11						SW	Soft, medium brown, SAND (SW), fine grained, moist, no odor, no stain.										
12																	
13																	
14							Same as above, except medium grained.										
15							Same as above, except very fine grained. Soil gas 15 feet.										
16																	
17							Same as above, except fine to medium grained.										
18							Same as above, except light brown, coarsens downward.										
19																	
20																	
21																	
22						MH	Medium stiff to soft, brown, SILT (MH), cohesive, some structure, moist, no odor, iron staining.										
23																	
24						SM	Medium dense, brown, silty SAND (SM), fine grained, moist, no odor, no stain.										

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY& ALDRICH

TEST BORING REPORT

Boring No. DP0172
File No. 32486
Sheet No. 3 of 3

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
25					25.0		Bottom of exploration at 25 feet. Soil gas at 25 feet. Borehole backfilled with hydrated bentonite upon completion.										

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY & ALDRICH — TEST BORING REPORT

Boring No. DP0173

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 - 006
Sheet No.: 1 of 3
Start: April 10, 2006
Finish: April 10, 2006
Driller: F. Vasquez
H&A Rep.: G. Androsko,K. Hog
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	G		Rig Make & Model: GeoProbe
Inside Diameter (in.)	-	1 3/4		Bit Type: Cutting Head
Hammer Weight (lb.)	-	Push	-	Drill Mud: None
Hammer Fall (in.)	-		-	Casing: MacroCore
				Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				NO WELL INSTALLED			Concrete and base material.										
1	3.2	001	1.0 - 1.5		1.0	SM	Soft, olive brown, silty SAND (SM), fine grained, moist, no odor, no stain.										
2																	
3																	
4																	
5						SW	Soft, brown, SAND (SW), fine to medium grained, moist, no odor, no stain. Soil gas at 5 feet.										
6	0.2																
7		007	7.0 - 7.5			SP	Same as above except medium grained.										
8						CL	Medium stiff, olive brown, CLAY (CL), moist, no odor, no stain.										
9						SM	Medium stiff, brown, silty SAND (SM), very fine grained, moist, no odor, iron staining.										
10																	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.)
Rock Cored (lin. ft.)
Samples

Boring No. DP0173

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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